Amendment to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1.   (Currently Amended) A method for compressing still images that are stored in electronic media comprising the step of:

       a.   selecting the image to be compressed;

       b.   selecting the desired degree of compression;

       c.   constructing non-separable wavelet filters, based on the desired degree of compression [and physical characteristics of] for the image, for decomposition of the image by non-[seperablen] separable wavelet transformation:

       d.   transforming the image into an array of frequency coefficients of the pixels by executing one level of decomposition for [each of the three filters] each filter;

       e.   quantizing the values of the frequency coefficients; and

       f.   encoding the quantized values by run length and arithmetic coding methods;

whereby the image is restored in the YCbCr format through the use of a pre-designated reconstruction formula; and transformed into the RGB palette after reconstruction is complete.